

Amendments to the Specification:

Please amend the paragraph beginning on page 52, line 6, of the specification with the following amended paragraph:

The minimization step above can also use weights for different activity predictions and, in general, can use a loss function. In ~~[[on]]~~ one embodiment this loss function can be squared error loss, where weights that minimize the sum of squares of the differences between predicted and measured values for the dataset are computed.